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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/786,180	02/25/2004	Roger W. Meads	MEADS-08913	2384
7590	03/08/2005		EXAMINER VERBITSKY, GAIL KAPLAN	
J. Mitchell Jones MEDLEN & CARROLL, LLP 101 Howard Street, Suite 350 San Francisco, CA 94105			ART UNIT	PAPER NUMBER
			2859	

DATE MAILED: 03/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/786,180

Applicant(s)

MEADS ET AL.

Examiner

Gail Verbitsky

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- |   |  |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-2, 4, 6, 9, 11-14, 16, 18-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Kennedy et al. (U.S. 5203345).

Kennedy discloses in Fig. 1 a remote telemetry system/ method comprising an implantable temperature sensing device (transmitter) implanted in vagina of a (dairy) cow (col. 3, line 27) to determine an estrus temperature of the cow, a signal receiver /receiving antenna and a digital computer, inherently, acting as a processor and a digital access device, each temperature sensing device comprises an identification signal to indicate the cow identity and its temperature (col. 3, lines 8-10).

For claim 9: Thus, it is inherent, that the computer comprises an animal identification device, which receives the identification signal from the transmitter and issues a signal identifying/ recognizable to the operator (i.e., identification code, temperature).

For claim 6: Thus, it is inherent, that the computer comprises an animal identification device, which wirelessly receives the identification signal from the transmitter and issues an identifying signal recognizable to the operator according to its program/ wireless protocol.

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For claim 12: Kennedy states that the cows are being monitored continuously (over extended time) to determine the estrus, and thus, fluctuation (increase) from a normal, temperature, and the signals are received and decoded using programs (col. 6, lines 36-52), inherently, recognizing the estrus and, inherently, notifying the operator. It is also, inherent, that the temperature fluctuation/ increase is compared with a normal cow temperature.

3. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wallace et al. (U.S. 4865044) [hereinafter Wallace].

Wallace discloses a system comprising an implantable in a cow ear temperature sensing device (transmitter) comprising an identification number generated/ processed by an encoder (processor) to be transmitted along with a temperature sensed, a signal receiver comprises a decoder (device receiving a bit rate/ digital access device from the transmitter, and an animal identification device (display) (col. 2, lines 35-46).

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kennedy in view of the Prior Art by Kennedy [hereinafter Prior art].

Kennedy discloses the device/ method as stated above in paragraph 2.

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Kennedy does not state that the receiving device is positioned in a milking parlor.

Prior art states that the receiving device (monitoring station) could be positioned in a milking (parlor) (col. 6, line 48).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system/ method, disclosed by Kennedy, so as to position the receiver in a milking parlor, as taught by the Prior art, so as to minimize unnecessary transmission, and thus, manufacturing costs, especially, if it is known that the cows of interest are located close/ in the milking parlor.

5. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wallace in view of Stafford et al. (U.S. 5482008).

Wallace discloses the system/ method as stated above in paragraph 3.

Wallace does not explicitly teach a microchip comprising an ID number, as stated in claim 8.

Stafford discloses a device in the field of applicant's endeavor comprising a system having a temperature-sensing device (microchip) 32 and a microchip code circuit (identification device) 5.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system/ method, disclosed by Wallace, so as to have a microchip comprising (responsible for) the ID number, as taught by Stafford, so as to minimize the dimensions of the device, and simplify its control, as very well known in the art.

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6. Claims 7, 14-15 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kennedy in view of Han et al. (U.S. 6835553) [hereinafter Han].

Kennedy discloses the system/ method as stated above in paragraph 2.

Kennedy does not explicitly teach the limitations of claims 7, 14-15 and 17.

Han discloses a system/ method comprising wirelessly transmitting a sensor data, an identification signal by means of Bluetooth wireless protocol and digital access device being a PDA (Personal Data Assistance) wireless communication device.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system/ method, disclosed by Kennedy, so as to use Bluetooth wireless protocol, as taught by Han, in order to transmit and interpret data with high accuracy and low noise, as very well known in the art.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system/ method, disclosed by Kennedy, so as to use PDA wireless communication device, as taught by Han, in order to transmit data and determine a patient's location by means of a known standard internet program, so as to minimize manufacturing costs by using a known program.

7. Claims 6-7, 15 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wallace in view of Han et al. (U.S. 6835553) [hereinafter Han].

Wallace discloses the system/ method as stated above in paragraph 3.

Wallace does not explicitly teach the limitations of claims 6-7, 15 and 17.

Han discloses a system/ method comprising wirelessly transmitting a sensor data, an identification signal by means of Bluetooth wireless protocol and PDA (Personal Data Assistance) wireless communication device.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system/ method, disclosed by Wallace, so as to use Bluetooth wireless protocol, as taught by Han, in order to transmit and interpret data with high accuracy and low noise, as very well known in the art.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system/ method, disclosed by Wallace, so as to use PDA wireless communication device, as taught by Han, in order to transmit data and determine a patient's location by means of a known standard internet program, so as to minimize manufacturing costs by using a known program.

8. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kennedy in view of Hamel et al. (U.S. 6622567) [hereinafter Hamel].

Kennedy discloses the system/ method as stated above in paragraph 2.

Kennedy does not explicitly disclose that the transmission is a RFID transmission of claim 5.

Hamel discloses a device wherein the information has been transmitted using a RFID chip.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the system/ method, disclosed by Kennedy, so as to use RFID wireless communication device, as taught by Han, because both of this

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method are using wireless communication by means of radio frequency, as well known in the art, and because both of them are alternate types of the transmission means which will perform the same function, if one is replaced with the other.

***Conclusion***

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art cited in the PTO-892 and not mentioned above disclose related devices and methods.

Any inquiry concerning this communication should be directed to the Examiner Verbitsky who can be reached at (571) 272-2253 Monday through Friday 8:00 to 4:00 ET.

GKV

Gail Verbitsky

Primary Patent Examiner, TC 2800



February 23, 2005